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By Tracy Crews at 8:43 am, Jun 27, 2022



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 102458 093.3578.252	NAME OF AGENCY Brookfield Police Dept.	DATE OF INSPECTION 06/23/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 116 W.Brooks St. Brookfield, MO 64628		TIME OF INSPECTION 9:04 am

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

- DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C)
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY

BREATH ALCOHOL ACCURACY STANDARDS

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>RepCo</u>	LOT # <u>21001</u> EXP. DATE <u>06/16/2023</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.0</u>	SIM. SN <u>SD2763</u> SIM. NIST EXP DATE <u>01/01/2023</u>

- CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)
Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)
 - 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
 - 0.080% STANDARD - MUST READ BETWEEN 0.078% and 0.084% INCLUSIVE
 - 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 ➔ 0.103	TEST 2 ➔ 0.102	TEST 3 ➔ 0.102
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- RFI DETECTOR OPERATING

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	0	(0-.04)	1	(.05-.09)	1	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

This instrument meets Dept. of Health standards.

INSPECTING OFFICER

SIGNATURE 	PRINT NAME Stuart Hughes
TYPE II PERMIT NUMBER/EXPIRATION DATE 200188 06/15/2022	TELEPHONE NUMBER (660) 258-3385

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IV Serial no: 102458
 Version no: 532B
 TEST RECORD 00950 ✓

Temp Date Time 210L

Air Blank: 06/23/22 09:31

Calibration Check: 12 06/23/22 09:31

Subject Name
 Simulator

Subject I.D.

Operator Name, I.D.
 S. Hughes 200188

Location
 BPD

AS IV Serial no: 102458
 Version no: 532B
 TEST RECORD 00979 ✓

Temp Date Time 210L

Air Blank: 06/23/22 09:29 .000

Calibration Check: 24 06/23/22 09:29 .102

Subject Name
 Simulator

Subject I.D.

Operator Name, I.D.
 S. Hughes 200188

Location
 BPD

AS IV Serial no: 102458
 Version no: 532B
 TEST RECORD 00978 ✓

Temp Date Time 210L

Air Blank: 06/23/22 09:26 .000

Calibration Check: 23 06/23/22 09:26 .102

Subject Name
 Simulator

Subject I.D.

Operator Name, I.D.
 S. Hughes 200188

Location
 BPD

AS IV Serial no: 102458
 Version no: 532B
 TEST RECORD 00977 ✓

Temp Date Time 210L

Air Blank: 06/23/22 09:24 .000

Calibration Check: 22 06/23/22 09:24 .103

Subject Name
 Simulator

Subject I.D.

Operator Name, I.D.
 S. Hughes 200188

Location
 BPD

PERMIT
TYPE II
STUART W HUGHES

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs,
and operate the following breath analyzer(s):

ALCO-SENSOR IV WITH PRINTER

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections
102.020 through 102.041, RSMo and 305.111 through 306.119 RSMo.

ISSUED 6/15/2020

PERMIT NO 200188

OPERATOR STUART W HUGHES 6/15/2022

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

06/15/2022

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES
BREATH ALCOHOL PROGRAM

INSTRUMENT OPERATOR CARD

The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.

Operator HUGHES, STUART
Permit No 200188
Date Issued 6/15/2020 Date Expires 6/15/2022



Missouri Department of Health and Senior Services
 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466
 Donald G. Kauerauf
 Director



Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD 2763 Manufacturer: Guth
 Model Number: 10-4D
 Agency: BROOKFIELD PD
 Agency Address: 116 W BROOKS, BROOKFIELD, MO 64620

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.01
 Uncertainty: 0.02
 Date of Certification: 11/10/2021 Date of Expiration: 11/10/2022

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.00	34.00	.03

The combined uncertainty is calculated with a k=2 value.

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 1/12/2022
 Certification Expiration: 1/12/2023
 Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: SD 2763_1122022

X *Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification
 Issued by Lab Manager, DHSS BAP
 Revision Date: 05/16/2018

Breath Alcohol Program
 1903 Northwood Drive, Suite 4
 Poplar Bluff, MO 63901

DHSS BAP Document 3.6A
 Revision 1
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RepCo Marketing Co
3101-188 Stony Brook Drive
Raleigh, NC 27604
919-876-5480

CERTIFICATE OF ANALYSIS

MANUFACTURER AND SUPPLIER: RepCo Marketing Co.

LOT NUMBER: 21001

EXPIRATION DATE: June 16, 2023 at 11:59 p.m.

RepCo Marketing Co. certifies the following:

RepCo Marketing Co. prepared, tested and supplied Lot Number 21001 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. Random samples were analyzed by Alcohol Countermeasure Systems utilizing a gas chromatograph and found to contain .1222 gms/dl +/- .003 gms/dl wt/vol ethanol (95% Confidence).

The alcohol and distilled water used in the solution were found to be free of any interfering substance.

This solution will produce a vapor alcohol value of .100 +/- 3% gms/210L breath when heated to 34 Degrees Celsius +/- 0.2 Degrees Celsius in a simulator (95% Confidence).

The date of manufacture for this lot number is June 17, 2021. The expiration date for this lot number is June 16, 2023 at 11:59 p.m.

This document is a true representation of the original Certificate of Analysis.



Alma Palmer, Operations Manager
RepCo Marketing Co.